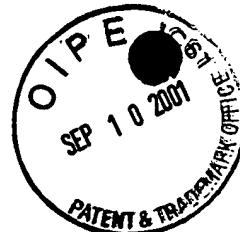


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DIALOG(R) File 352:Derwent WPI
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WPI Acc No: 1985-319808/198551

XRAM Acc No: C85-138227

Refining of crude acetic anhydride - by treatment with ozone contg. gas at normal temp.

Patent Assignee: DAICEL CHEM IND LTD (DAIL)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 60222439	A	19851107			198551	B
JP 92034537	B	19920608	JP 8479636	A	19840420	199227

Priority Applications (No Type Date): JP 8479636 A 19840420

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 60222439	A	4			
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JP 92034537	B	3	C07C-053/12	Based on patent JP 60222439	
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Abstract (Basic): JP 60222439 A

Acetic anhydride is produced from ketone which is produced by the thermal decomposition of acetic acid. Crude prod. contains various impurities. Acetic acid, which is recovered from acetyl cellulose prcdn. is used as starting material, and it contains impurities which cannot be removed by distn. Those impurities will be also present in acetic anhydride. Ozone contg. gas is prep'd. by using marketed ozone generator from air or oxygen. Concn. of ozone is 10-20 g/cu m. Required amt. of ozone is roughly 300-1000 g-O3/T, usually 300-600 g-O3/T and treatment can be carried out at normal temp.

ADVANTAGE - Ozone treatment saves energy required for distn. and is conducted without heating so that no thermal decomposition occurs and recovery of acetic anhydride is not affected. High purity acetic anhydride is produced

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\$10.81 0.356 DialUnits File352

\$18.52 4 Type(s) in Format 5 (UDF)

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\$29.33 Estimated cost File352

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